

Title (en)  
PRODUCTION METHOD FOR HEMATITE FOR IRON PRODUCTION

Title (de)  
HERSTELLUNGSVERFAHREN FÜR HÄMATIT ZUR EISENERZEUGUNG

Title (fr)  
PROCÉDÉ DE PRODUCTION D'HÉMATITE POUR LA PRODUCTION DE FER

Publication  
**EP 2829516 A4 20151209 (EN)**

Application  
**EP 13764493 A 20130116**

Priority

- JP 2012062794 A 20120319
- JP 2013050671 W 20130116

Abstract (en)  
[origin: EP2829516A1] Provided is a production method for refining iron oxide (hematite), which has such a low sulfur content as to be used as a raw material for ironmaking from a leach residue containing iron oxide, the leach residue being produced by a high pressure acid leach (HPAL) process and being a raw material that can be cheaply and stably procured. In the method of producing (high purity) hematite for ironmaking by a process of adding an oxidant and sulfuric acid to nickel oxide ore and then leaching nickel, a leach residue obtained after the leaching of nickel is heated to 600°C or more, and preferably 800°C or more and 1400°C or less.

IPC 8 full level  
**C01G 49/06** (2006.01); **C01B 17/50** (2006.01); **C22B 3/04** (2006.01); **C22B 23/00** (2006.01)

CPC (source: EP US)  
**C01B 17/507** (2013.01 - EP US); **C01G 49/06** (2013.01 - EP US); **C22B 3/20** (2013.01 - EP US); **C22B 3/22** (2013.01 - US); **C22B 23/0461** (2013.01 - EP US); **C01P 2006/80** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

Citation (search report)

- [I] US 2010242681 A1 20100930 - NAGASE NORIYUKI [JP], et al
- [I] US 3093559 A 19630611 - WHITE MERWIN G, et al
- See references of WO 2013140837A1

Cited by  
EP3048083A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2829516 A1 20150128; EP 2829516 A4 20151209; EP 2829516 B1 20181226**; AU 2013236727 A1 20141009; AU 2013236727 B2 20160630; CA 2867672 A1 20130926; CA 2867672 C 20170815; CN 104203830 A 20141210; CN 104203830 B 20161116; JP 2013193923 A 20130930; JP 5424139 B2 20140226; PH 12014502100 A1 20141210; PH 12014502100 B1 20141210; US 2015050200 A1 20150219; WO 2013140837 A1 20130926

DOCDB simple family (application)  
**EP 13764493 A 20130116**; AU 2013236727 A 20130116; CA 2867672 A 20130116; CN 201380015130 A 20130116; JP 2012062794 A 20120319; JP 2013050671 W 20130116; PH 12014502100 A 20140922; US 201314386222 A 20130116